

DRILLER'S LOG

COMPANY:  
CONTRACTOR:  
FARM:  
LOCATION:

Glen Rupe  
LEBEN DRILLING, INC.  
KING B-#1 WASHDOWN  
C SE SE SECTION 26-26S-19W  
EDWARDS COUNTY, KANSAS  
5-30-68  
5-31-68

COMMENCED:  
COMPLETED:

0

4857  
4857

Washed down  
TD - Set 5½" Casing

Surface casing previously set

I, Leslie Kite, do hereby certify that the above and foregoing is a true and correct copy of the log of the King B-#1 Washdown Well, located C SE SE, Section 26, Township 26 South, Range 19 West, Edwards County, Kansas, as reflected by the records of Leben Drilling, Inc.

Leslie Kite

Leslie Kite

STATE OF KANSAS }  
COUNTY OF BARTON } SS

Subscribed and sworn to and before me, a Notary Public, in and for Barton County, Kansas, this 6th day of June, 1968.



Ulanda Nichols

Ulanda Nichols





FORM 985-R5

SALES  
DELIVERY  
TICKET

No. 674758 L

DATE 11-68 CUSTOMER'S ORDER NO. CUSTOMER'S REQ. NO. SEC. TWP. RNG. SHIPPED VIA AMT. OF CHARGES Ppd. By Halliburton ☐  
Shipped Collect ☐

WELL NO. AND FARM B-1 King PLACE OR DESTINATION S/CF Kinsley COUNTY Edwards STATE Kansas

TYPE OF WELL 1. ☐ Workover 2. ☐ Exploratory 3. ☐ Development 4. ☐ Other OWNER GLENN RUPP CONTRACTOR B.B.S. WELL SERVICE

Duncan Use Only

Cust. Inv.  
Req. Orig. &  
☐ 1  
☐ 2  
☐ 3  
☐ 4  
☐ Other  
No. Copies

DELIVERED TO

RECEIVED BY

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished covered by this invoice.

CHARGE TO GLENN RUPP

MAILING ADDRESS 222 Brown Building

CITY &amp; STATE Wichita, Kansas

TERMS:

Due by the 20th of following  
month from date of invoice.

Cash discount allowed if paid within this period.  
Interest charged after 60 days from date of invoice.  
Tax adjustment may be deducted if discounted.

DO NOT USE

| Price Ref. No. & Part No. | Size | Thds. | DESCRIPTION        | Quan.<br>Issued | Unit of<br>Issue | CODE |
|---------------------------|------|-------|--------------------|-----------------|------------------|------|
| REF. NO. 1060             |      |       | RESIN CEMENT 10gal | 4.75            | 10gal            |      |
| REF. NO.                  |      |       | 2 SACK 20-HC SAND  |                 | 2 Sack           |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |
| REF. NO.                  |      |       |                    |                 |                  |      |

SALESMAN D.D. Goodley SALESMAN'S EMPLOYEE NO. 22427

DELIVERED FROM

650 ☐ CODE WHSE. CODE  
655 ☐

PRINTED IN U.S.A.

674758 L

Customer's Copy



Nº 1101

Cementer Gerald B. Kell Material Left on Location \_\_\_\_\_  
 Helper Donald Hamblin District St. Louis State Kansas  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

8<sup>00</sup> disc



ating Ticket  
oice Number N<sup>o</sup> 10896

|                                                                  |                    |                                                                                    |                |        |                                               |                                                                   |                                 |                            |
|------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|----------------|--------|-----------------------------------------------|-------------------------------------------------------------------|---------------------------------|----------------------------|
| Date<br>11-4-68                                                  | Customer Order No. | Sect.                                                                              | Twp.           | Range  | Truck Called Out<br>12:30 P.M.                | On Location<br>4:00                                               | Job Began<br>1:00 P.M.          | Job Completed<br>1:00 P.M. |
| Owner<br>GLEN RUDE                                               |                    | Contractor                                                                         |                |        |                                               | Charge To<br>GLEN RUDE                                            |                                 |                            |
| Mailing Address                                                  |                    | City<br>Wichita                                                                    |                |        |                                               | State<br>KANSAS                                                   |                                 |                            |
| Well No. & Form<br>King "B" #1                                   |                    | Place<br>Co. Line N/4 Sec 36 E 1/4 Twp 24 S R 40 W                                 |                |        | County<br>EDWARDS                             |                                                                   | State<br>KANSAS                 |                            |
| Depth of Well                                                    | Depth of Job       | Casing<br><input checked="" type="checkbox"/> New<br><input type="checkbox"/> Used | Size<br>5 1/2" | Weight | Size of Hole<br>Amt. and Kind<br>of Cement    | Cement Left<br>in casing by                                       | Request<br>Necessity _____ feet |                            |
| Kind of Job<br>GAS KILL                                          |                    |                                                                                    |                |        | Drillpipe _____<br>Tubing _____               | <input type="checkbox"/> Rotary<br><input type="checkbox"/> Cable | Truck No. 23                    |                            |
| Condition of Well<br>at time of Cementing<br>Mixing Case & Water |                    |                                                                                    |                |        | Type of Plugs _____                           |                                                                   |                                 |                            |
| Pressures Circulating _____                                      |                    |                                                                                    |                |        | Minimum _____ Maximum _____                   |                                                                   |                                 |                            |
| Time Required Mixing Cement _____ min.                           |                    |                                                                                    |                |        | Making Change _____ min. Pumping Cement _____ |                                                                   |                                 |                            |

Remarks Wounded 200 lbs Smith Water 10 to  
shell to Kill Gas Plant

Price Reference No. 8

Price of Job \$ 170.00

Second Stage \_\_\_\_\_

Standby Truck \_\_\_\_\_

Other Charges \_\_\_\_\_

Total Charges \_\_\_\_\_

Cementor Frank Braggins

Helper Sherlock

District Wichita

State Kansas

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

**Sales Ticket for Materials Only**

| Quantity Sacks | BRAND AND TYPE            | PRICE     | Total |
|----------------|---------------------------|-----------|-------|
|                | NO SALE                   |           |       |
|                |                           |           |       |
|                |                           |           |       |
|                |                           |           |       |
|                |                           |           |       |
| Cc Cl.         |                           |           |       |
| AM.CI          |                           |           |       |
| Gel            |                           |           |       |
| Plugs          |                           |           |       |
|                | Handling & Dumping        |           |       |
|                | Delivered by<br>Truck No. | Mileage   |       |
|                | Delivered from            | Sales Tax |       |
|                | Signature of operator     | Total     |       |



# Sun Oil Well Cementing, Inc.

P.O. Box 169  
GREAT BEND, KANSAS

TO & SALES TICKET  
And Invoice Number

No

874

|                             |                            |                                   |      |       |                         |                        |                                   |               |
|-----------------------------|----------------------------|-----------------------------------|------|-------|-------------------------|------------------------|-----------------------------------|---------------|
| Date<br>5-14-49             | Customer Order No.         | Sec.                              | Twp. | Range | Job Called              | On Location<br>7:30 AM | Job Began                         | Job Completed |
| Owner<br>Ellen Rupp         |                            | Contractor<br>Central Drilling Co |      |       | Charge to<br>Ellen Rupp |                        |                                   |               |
| Mailing Address             |                            | City                              |      |       | State                   |                        |                                   |               |
| Well No. & Farm<br>King B-1 |                            | Place<br>145 Kinsley              |      |       | County<br>Edwards       |                        | State<br>Ks                       |               |
| Type of Job<br>Squeeze      |                            |                                   |      |       |                         |                        | Casing<br>Size 5 1/2<br>Weight 14 |               |
| Depth of Well<br>4855       | Depth of Casing<br>4743-45 | Tubing Size & Type 2" EUEBND.     |      |       |                         |                        |                                   |               |

|                     |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Price of Job 200.00 | Depth Tool Set 4696                                                            |
| Subsequent Jobs     | Perforations Cut 4760-64 4752 - 4743-45                                        |
| Testing             |                                                                                |
| Other Charges       | Remarks 125 lbs 2200 # standing pressure                                       |
| Total Charges       | washed back 12 lbs. washed cement out of<br>csg to 4757<br>Pressure 1800# O.K. |

This tool issued on a rental basis to the well owner under his or his representatives, supervisor, and Sun Oil Well Cementing, Inc., will not be held responsible for any loss, damage or injury to the above well, or to the well owner, or contractors equipment or personnel for any reason. The well owner will be held responsible for loss or damage to said tool.

Sun Operator Ben Shaffer  
District St Bend State Ks

The above job was under the supervision of the owner, operator, or his agent whose signature appears here below.

X Ben K. Kelley

## EQUIPMENT SALES ONLY

Signature of Operator X

| Item            | Size | Quantity | Brand & Type | Price | Total |
|-----------------|------|----------|--------------|-------|-------|
| STAGE COLLAR    |      |          |              |       |       |
| FLOAT COLLAR    |      |          |              |       |       |
| GUIDE SHOE      |      |          |              |       |       |
| SCRATCHERS      |      |          |              |       |       |
| STOP COLLARS    |      |          |              |       |       |
| CENTRALIZERS    |      |          |              |       |       |
| BASKETS         |      |          |              |       |       |
| VARNISH REMOVER |      |          |              |       |       |
| THREAD LOCK     |      |          |              |       |       |
|                 |      |          |              |       |       |
|                 |      |          |              |       |       |
|                 |      |          |              |       |       |



Nº 10952

5-15-69

|                                                                                                              |                      |                                                                                                                                                                                                                   |                               |                                                           |                          |                             |                      |                           |
|--------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|
| Date<br>5-14-69                                                                                              | Customer Order No.   | Sect.                                                                                                                                                                                                             | Twp.                          | Range                                                     | Truck Called Out<br>4 AM | On Location<br>7:30 AM      | Job Began            | Job Completed<br>11:30 AM |
| Owner<br>Glenn Rupp                                                                                          |                      | Contractor<br>Central Drilling Co.                                                                                                                                                                                |                               |                                                           | Charge To<br>Glenn Rupp  |                             |                      |                           |
| Mailing Address                                                                                              |                      | City                                                                                                                                                                                                              |                               |                                                           | State                    |                             |                      |                           |
| Well No. & Form<br>King B-1                                                                                  |                      | Place<br>145 Kinsley                                                                                                                                                                                              |                               | County<br>Edwards                                         |                          | State<br>Ks                 |                      |                           |
| Depth of Well<br>4835                                                                                        | Depth of Job<br>4696 | Casing<br>New<br>Used                                                                                                                                                                                             | Size<br>8 1/2<br>Weight<br>14 | Size of Hole<br>Amt. and Kind<br>of Cement<br>125 cu. ft. |                          | Cement Left<br>in casing by | Request<br>Necessity |                           |
| Kind of Job<br>2" tubing string                                                                              |                      |                                                                                                                                                                                                                   |                               | Drillpipe<br>Tubing<br>2" EUG                             |                          |                             | Rotary<br>Cable      |                           |
| Condition of Well<br>at time of Cementing<br>making water                                                    |                      | Type of Plugs                                                                                                                                                                                                     |                               |                                                           |                          |                             |                      |                           |
| Pressures Circulating<br>1000                                                                                |                      | Minimum<br>Var.                                                                                                                                                                                                   |                               | Maximum<br>2200                                           |                          |                             |                      |                           |
| Time Required Mixing Cement<br>6                                                                             |                      | min. Making Change<br>5-14                                                                                                                                                                                        |                               | min. Pumping Cement<br>30                                 |                          |                             |                      |                           |
| Remarks                                                                                                      |                      | Killed well w/ salt water -                                                                                                                                                                                       |                               |                                                           |                          |                             |                      |                           |
| Price Reference No.                                                                                          |                      | Not packed at 4696. Input 4 1/2 bbl per min @ 1000 ft. mixed 125 cu cement displaced 113 bbls in formation w/ standing press 2200 washed back 12 sps - washed cement out of cas to 4757. Pressure to 1800 lb G.P. |                               |                                                           |                          |                             |                      |                           |
| Price of Job<br>398.55                                                                                       |                      | Perf. 4760-64 4752-4743-45.                                                                                                                                                                                       |                               |                                                           |                          |                             |                      |                           |
| Second Stage                                                                                                 |                      | 1-4 in. tool at 25.00 per hr.                                                                                                                                                                                     |                               |                                                           |                          |                             |                      |                           |
| Standby Truck                                                                                                |                      |                                                                                                                                                                                                                   |                               |                                                           |                          |                             |                      |                           |
| Other Charges<br>100.00 4 hr. tool                                                                           |                      |                                                                                                                                                                                                                   |                               |                                                           |                          |                             |                      |                           |
| Total Charges<br>498.55                                                                                      |                      |                                                                                                                                                                                                                   |                               |                                                           |                          |                             |                      |                           |
| Cement<br>Ben Shaffer                                                                                        |                      | Material Left<br>on Location                                                                                                                                                                                      |                               |                                                           |                          |                             |                      |                           |
| Helper<br>Denn                                                                                               |                      | District<br>Edwards                                                                                                                                                                                               |                               |                                                           |                          |                             |                      |                           |
| The above job was done under supervision of the owner, operator, or his agent whose signature appears below. |                      | State<br>Ks                                                                                                                                                                                                       |                               |                                                           |                          |                             |                      |                           |
|                                                                                                              |                      | Ben K. Kelley<br>Agent of contractor or operator                                                                                                                                                                  |                               |                                                           |                          |                             |                      |                           |

**Sales Ticket for Materials Only**[illegible]



Receipt  
No. 15722



General Office  
630 United Founders Life Tower  
5900 Mosteller Drive  
Oklahoma City, Oklahoma 73112

STATION GREAT Bend

DATE 5-17-69

|                              |                       |                                                              |  |
|------------------------------|-----------------------|--------------------------------------------------------------|--|
| CUSTOMER <u>Glen Rupe</u>    |                       | BILLING ADDRESS                                              |  |
| CITY <u>Wichita</u>          |                       | STATE <u>KANSAS</u>                                          |  |
| WELL NAME <u>King 'B' #1</u> |                       | LOCATION <u>26-26-19W</u>                                    |  |
| POOL                         | COUNTY <u>Edwards</u> | STATE <u>KANSAS</u>                                          |  |
| YOUR ORDER No.               |                       | SERVICES - MATERIALS RECEIVED BY: <u>Ben R. Kelley</u> Agent |  |

| Code                              | Quantity | DESCRIPTION           | Unit Price | Amount          |
|-----------------------------------|----------|-----------------------|------------|-----------------|
| A-31                              | 5.00     | 2 gal. 5 MD-15-2 Acid | .42        | \$210.00        |
| A-25                              | 1/2      | 9 gal. IR-1           | 7.00       | 3.50            |
| A-100                             | 1        | TP Pumper             |            | 195.00          |
|                                   |          |                       |            | <u>\$408.50</u> |
| Process License Fee On Gallons    |          |                       |            |                 |
| State Sales Tax on Materials Only |          |                       |            | 6.41            |
|                                   |          |                       |            | <u>\$414.91</u> |

See Other Side for Standard Terms and Conditions.

ACID ENGINEERS, INC.

TOTAL BILLING

Service Engineer



**Nº 15739**



General Office  
630 United Founders Life Tower  
5900 Mosteller Drive  
Oklahoma City, Oklahoma 73112

STATION.

Great Bend

DATE \_\_\_\_\_

6-16-69

CUSTOMER

Glen Ruse

BILLING ADDRESS

CITY

unibita

STATE

Kansas

WELL NAME

King 'B' #1

LOCATION

26-26-19W

POOL

COUNTY

Edwards

STATE

Kansas

YOUR ORDER No.

SERVICES - MATERIALS  
RECEIVED BY:

LS Ben K. Kelly

Agent

[illegible]

See Other Side for Standard Terms and Conditions.

ACID ENGINEERS, INC.

TOTAL BILLING

1900

Service Engineer



# ACID ENGINEERS, Inc.

## TREATMENT REPORT

Invoice No. 15722 Station Great Bend, Kansas Date May 19, 1969

Owner Glen Rupe Lease King B Well No. 1

Pool \_\_\_\_\_ County Edwards State Kansas

Loc. 26-26-19 Formation Mississippi Cherokee

### Pipe Data—

T.D. \_\_\_\_\_ P.B. 4751  
Csg. Size 5½" OD Wt. 14#  
Csg. Depth 4835 Sks. Cement \_\_\_\_\_  
Tbg. Size 2" EUE Depth 4727  
Packer Type \_\_\_\_\_ Annulus Vol. 89 bbl.  
Csg. Vol. \_\_\_\_\_ Tbg. Vol. 19 bbl.

### Perforating Data—

Shots/Ft. 4  
From 4742 To 4746  
From \_\_\_\_\_ To \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_

### Production—

Oil \_\_\_\_\_ Water \_\_\_\_\_  
Present \_\_\_\_\_  
Previous Treatments \_\_\_\_\_

### Detailed Record of Treatment

#### Materials Used

| Quan.      | Type         | Quan. | Type |
|------------|--------------|-------|------|
| 500 gallon | SMD 15% Acid |       |      |
|            |              |       |      |
|            |              |       |      |

#### Fluids Used:

|             |         |
|-------------|---------|
| Acid        | 12 bbl. |
| Breakdown   |         |
| Frac        |         |
| Flush water | 20 bbl. |

| Time | Csg. | Pressure Tbg. | Out of Tanks | Bbls. of Fluid In Form. | Inj. Rate | Remarks                                  |
|------|------|---------------|--------------|-------------------------|-----------|------------------------------------------|
| 8:43 |      | 700           |              |                         |           | start water down tubing w/tubing @ 4750' |
| 8:46 |      | 700           | 12           |                         |           | hole loaded, start acid down tubing      |
| 8:49 |      | 700           | 19           |                         |           | 500 acid in, start water                 |
|      |      |               |              |                         |           | acid on bottom, stop, close ann.         |
|      |      |               |              |                         |           | pickup & set tubing @ 4727'              |
| 9:04 | 0    | 0             |              |                         |           | start water down tubing to pressure up   |
| 9:05 | 300  | 300           |              |                         |           | loaded                                   |
| 9:07 | 500  | 500           | 20           | 1                       | 1/2       | feeding                                  |
| 9:08 | 500  | 500           | 20½          | 1½                      | 1/2       | speed pump                               |
| 9:09 | 950  | 950           | 22           | 3                       | 1½        | pressure steady                          |
| 9:11 | 850  | 850           | 25           | 6                       | 1½        | pressure dropping                        |
| 9:15 | 675  | 675           | 32           | 13                      | 1-3/4     | all acid & 1 bbl. overflush in formation |
|      | 250  | 250           |              |                         |           | immediate pressure drop complete         |
| 9:18 | vac  | vac           |              |                         |           | 3 minute pressure drop                   |

Arrival Date 5-19-69 Time 7:30AM Left Location: Date 5-19-69 Time 9:45AM Round Trip Miles 120

(See Reverse Side for Additional Treatment Remarks)

### Equipment Used

| Name   | Unit No. | Name | Unit No. |
|--------|----------|------|----------|
| Harris | 141      |      |          |
| Strunk | 399      |      |          |
|        |          |      |          |
|        |          |      |          |
|        |          |      |          |

### Treatment Resume

|                    |         |     |
|--------------------|---------|-----|
| Avg. Inj. Rate     | 1½      | BPM |
| Avg. Trt. Press.   | 800     | psi |
| Hydraulic HP Used  |         |     |
| Total Fluid Pumped | 32 bbl. |     |
| Maximum Pressure   | 950     | psi |
| Minimum Pressure   | 500     | psi |
| I. S. I. P.        | 250     | psi |

Ben Kelley

Owner's Representative

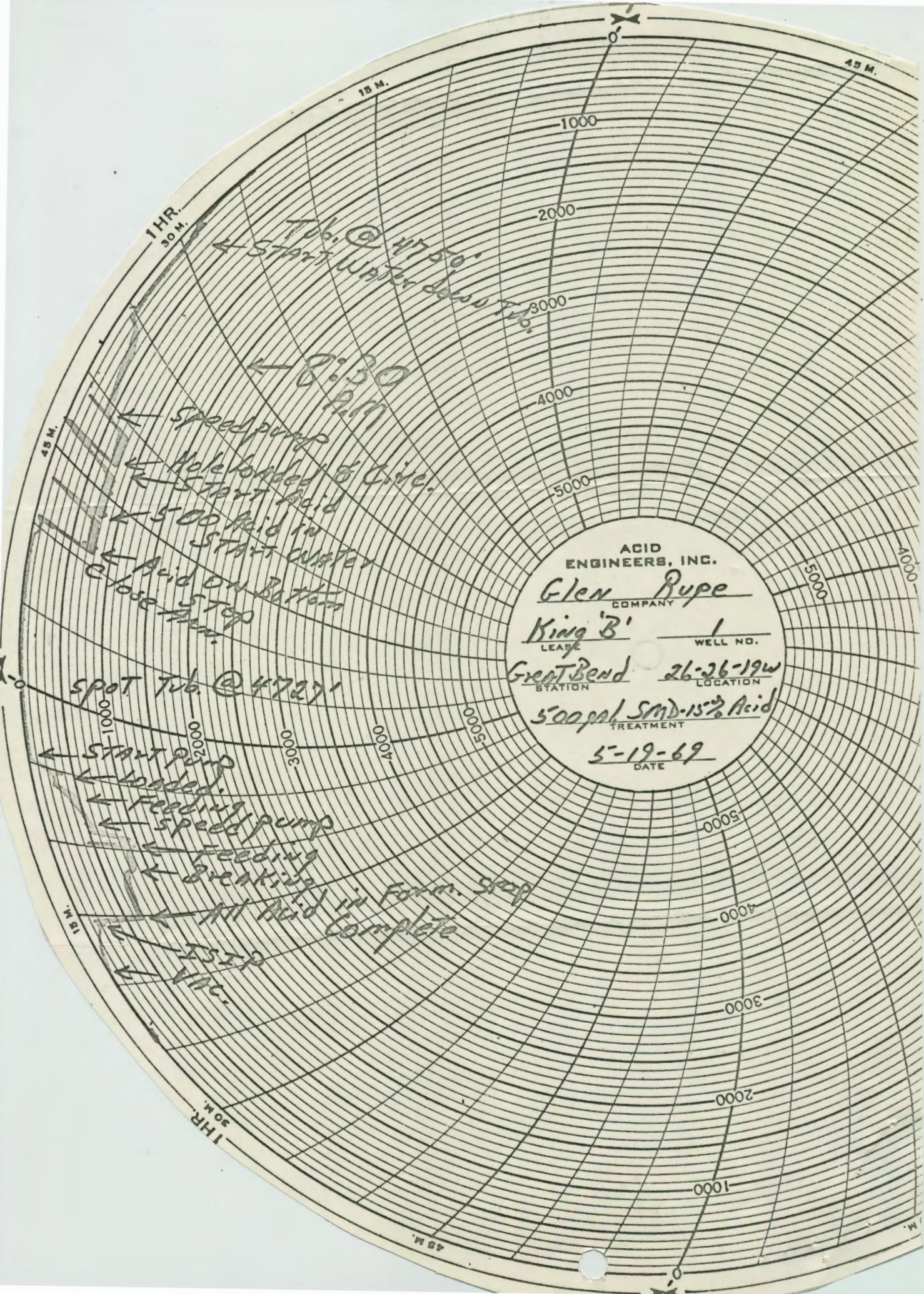
J. D. Strunk

Station Manager

J. D. Strunk

Service Engineer





ACID  
ENGINEERS, INC.

Glen Rupe  
COMPANY

King 'B'  
LEASE

1  
WELL NO.

Great Bend  
STATION

26-26-19W  
LOCATION

500 gal SMD-15% Acid  
TREATMENT

5-19-69  
DATE

← Tub. @ 4750'  
← Start Water down Tub.

← 8:30  
PM

← Speed pump

← Acid loaded to line.

← Start Acid

← 500 Acid in

← Start water

← Acid on bottom

← Close Ann.

← Spot Tub. @ 4727'

← Start pump

← Loaded.

← Feeding

← Speed pump

← Feeding

← Breaking

← All Acid in Form. Stop

← All Acid Complete

← ISIP

← Val.



# ACID ENGINEERS, Inc.

## TREATMENT REPORT Great Bend, Kansas

Invoice No. 14675 Station                      Date June 7, 1968

Owner Glen Rupe Lease King B Well No. 1

Pool                      County Edwards State Kansas

Loc. 26-26-19W Formation Mississippi

### Pipe Data—

T.D. 4835 P.B. 4795  
Csg. Size 5½" OD Wt. 14#  
Csg. Depth 4834 Sks. Cement                       
Tbg. Size 2" EUE Depth 4764  
Packer Type                      Annulus Vol. 90 bbl.  
Csg. Vol.                      Tbg. Vol. 18 bbl.

### Perforating Data—

~~Sand Jet~~  
~~From 4 holes To 4743~~  
~~From 4 holes To 4745~~  
~~From 4 slots To 4751~~  
~~From 4 slots To 4752~~  
4760 4764

### Production—

Oil                      Water                       
Present                     

**Previous Treatments**  
new well

### Detailed Record of Treatment

#### Materials Used

| Quan.       | Type                    | Quan. | Type |
|-------------|-------------------------|-------|------|
| 12,000 lbs. | R-20/40 Frac Sand       |       |      |
| 1           | Sand Jet tool w/4 ports |       |      |
| 500 gal.    | SME 7½% Acid            |       |      |
| 5 gallon    | C-20 Foaming Agent      |       |      |

#### Fluids Used

|                 |         |
|-----------------|---------|
| Acid            | 12 bbl. |
| Breakdown       |         |
| <del>Ann.</del> | 90 bbl. |
| Flush           | 18 bbl. |

| Time | Pressure Csg. | Pressure Tbg. | Bbbs. of Fluid Out of Tanks | Inj. Rate In Form. | Remarks                                    |
|------|---------------|---------------|-----------------------------|--------------------|--------------------------------------------|
| 5:25 |               |               |                             |                    | spot jet tool to cut @ 4764, start water   |
| 5:27 |               | 700           | 15                          |                    | hole loaded & circulating, stop            |
| 5:28 |               |               |                             |                    | drop ball, start pumps                     |
| 5:31 |               | 1300          | 33                          |                    | ball down, rest. rate                      |
| 5:32 |               | 3150          | 38                          | 5                  | jets open, start sand                      |
| 5:36 |               | 3100          | 58                          | 5                  | sand on bottom, start slots                |
| 5:41 |               | 3150          | 83                          | 5                  | start moving tubing up to 4760             |
| 6:01 |               | 3050          | 183                         | 5                  | 4 slots complete, slow pumps, move to 4752 |
| 6:16 |               | 3100          | 258                         | 5                  | start slots from 4751-4752                 |
| 6:26 |               | 3050          | 308                         | 5                  | 4 slots complete, slow pumps, move to 4745 |
| 6:31 |               | 3100          | 333                         | 5                  | 4 holes complete, move to 4743, stop sand  |
| 6:36 |               |               |                             |                    | 4 holes complete, stop, used 12,000# sand  |
|      |               |               |                             |                    | start water down ann., circ. out ball.     |

Arrival Date 6-7-68 Time 12:00 Left Location: Date 6-7-68 Time 9:00 PM Round Trip Miles 130

(See Reverse Side for Additional Treatment Remarks)

### Equipment Used

| Name   | Unit No. | Name | Unit No. |
|--------|----------|------|----------|
| Lloyd  | 146-228  |      |          |
| Voth   | 125-216  |      |          |
| Strunk | 394      |      |          |
|        |          |      |          |
|        |          |      |          |

(OVER)

### Treatment Resume

|                    |             |      |
|--------------------|-------------|------|
| Avg. Inj. Rate     | 4           | BPM  |
| Avg. Trt. Press.   | 1,600       | psi  |
| Hydraulic HP Used  | 387-jet job |      |
| Total Fluid Pumped | 120 bbl.    | seed |
| Maximum Pressure   | 1,650       | psi  |
| Minimum Pressure   | 650         | psi  |
| I. S. I. P.        | 400         | psi  |

**Glen Rupe**

Owner's Representative

**J. D. Strunk**

Station Manager

**J. D. Strunk**

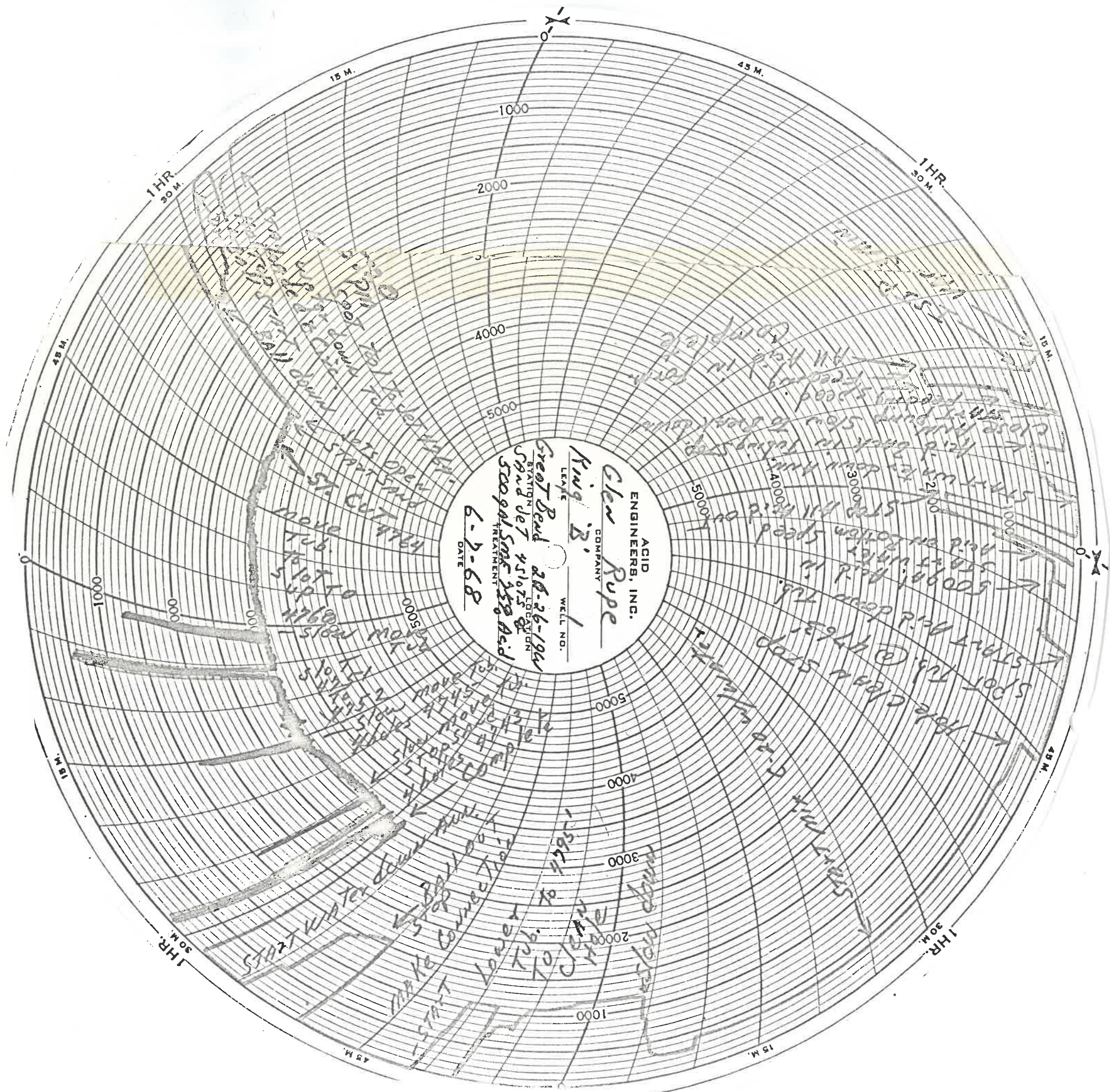
Service Engineer



(Treatment Schedule)

| Time | Csg. | Pressure Tbg. | Out of Tanks | Bbls. of Fluid In Form. | Inj. Rate | Remarks                                                |
|------|------|---------------|--------------|-------------------------|-----------|--------------------------------------------------------|
| 6:40 | 1550 | 357           |              |                         | 6         | ball out, lower tubing to bottom & clean hole          |
| 7:25 | 400  | 5482          |              |                         | 5         | start mixing C-20 in water                             |
| 7:44 | 350  | 580           |              |                         | 5         | hole clean to 4795', stop pickup tubing & spot @ 4763' |
| 7:53 |      |               |              |                         |           | start acid down tubing, bleed to bottom                |
| 7:57 | 400  | 592           |              |                         | 4         | 500 gal. acid in, start water w/C-20                   |
| 7:58 | 400  | 596           |              |                         | 4         | speed pump to wash slots w/acid                        |
| 8:01 | 1800 | 614           |              |                         | 6         | all acid out of tubing, stop                           |
| 8:04 |      | 323           |              |                         | 2         | start water down ann., circ. out tubing                |
| 8:07 | 500  | 633           |              |                         | 6         | acid back in tubing, stop                              |
| 8:10 |      |               |              |                         |           | close ann. in, start pump slow down tubing             |
| 8:11 | 650  | 634           | 1            | 1                       | 1         | feeding complete                                       |
| 8:12 | 650  | 635           | 2            | 1                       | 1         | speed pump                                             |
| 8:13 | 1000 | 640           | 7            | 5                       | 5         | feeding complete                                       |
| 8:14 | 750  | 645           | 12           | 45                      | 45        | all acid in formation                                  |
| 8:15 | 400  | 38            |              |                         | 2         | immediate pressure drop complete                       |
| 8:16 | 200  | 38            |              |                         | 2         | 1 minute pressure drop                                 |
| 8:17 | 50   | 38            |              |                         | 2         | 2 minute pressure drop                                 |
| 8:17 | vac  | vac           |              |                         |           | 3 minute pressure drop.                                |







# ACID ENGINEERS, Inc.

## TREATMENT REPORT

Invoice No. 14726 Station Great Bend, Kansas Date June 9, 19 68

Owner Glen Rupe Lease King B Well No. 1

Pool \_\_\_\_\_ County Edwards State Kansas

Loc. 26-26-19W Formation Mississippi

### Pipe Data—

T.D. 4835 P.B. 4795  
Csg. Size 5½" OD Wt. 14#  
Csg. Depth 4834 Sks. Cement \_\_\_\_\_  
Tbg. Size 2" EUE Depth 4720  
Packer Type \_\_\_\_\_ Annulus Vol. 90 bbl.  
Csg. Vol. \_\_\_\_\_ Tbg. Vol. 18 bbl.

### Perforating Data—

Shots/Ft. Sand Jet  
~~From~~ 4 holes ~~xxx~~ @ 4743  
From 4 holes ~~xxx~~ 4745  
~~From~~ slots 4751 To 4752  
From slots 4760 To 4764

### Production—

Oil \_\_\_\_\_ Water \_\_\_\_\_  
Present \_\_\_\_\_  
Previous Treatments  
500 gal. acid.

### Detailed Record of Treatment

#### Materials Used

| Quan.      | Type          | Quan. | Type |
|------------|---------------|-------|------|
| 2,000 gal. | S-5% Acid     |       |      |
| w/10 gal.  | D-10 & 5 gal. | C-20  |      |
| 10 gal.    | C-20 in flush |       |      |

#### Fluids Used

|           |         |
|-----------|---------|
| Acid      | 48 bbl. |
| Breakdown | 10 bbl. |
| Frac      |         |
| Flush     | 92 bbl. |

| Time | Csg. Pressure | Tbg. | Bbls. of Fluid | Inj. Rate | Remarks                                    |
|------|---------------|------|----------------|-----------|--------------------------------------------|
|      |               |      | Out of Tanks   | In Form.  |                                            |
| 3:10 | 400           | 300  |                |           | shut in pressure                           |
| 3:11 | 400           | 300  |                |           | start water w/C-20 down ann., tbg. closed  |
| 3:13 | 200           | 500  | 10             |           | 10 bbl. water in, start acid               |
| 3:22 | 0             | 1200 | 58             |           | 2,000 gal. acid in, start water w/C-20     |
| 3:29 | 400           | 1600 | 95             |           | hole loaded                                |
| 3:30 | 600           | 1750 | 99             | 4         | feeding, pressure start dropping           |
| 3:31 | 500           | 1700 | 105            | 10        | 6 feeding steady rate                      |
| 3:38 | 350           | 1700 | 150            | 55        | 6 92 bbl. flush in ann., all acid in form. |
|      | 300           | 1700 |                |           | immediate pressure drop complete           |
| 3:43 | 100           | 1600 |                |           | 5 minute pressure drop                     |
| 3:48 | vac           | 1550 |                |           | 10 minute pressure drop                    |
|      |               |      |                |           | bleed off tubing.                          |

Arrival Date 6-9-68 Time 2:15 Left Location: Date 6-9-68 Time 4:30 Round Trip Miles 130  
(See Reverse Side for Additional Treatment Remarks)

### Equipment Used

| Name   | Unit No. | Name | Unit No. |
|--------|----------|------|----------|
| Donnie | 141-216  |      |          |
| Strunk | 394      |      |          |
|        |          |      |          |
|        |          |      |          |
|        |          |      |          |

### Treatment Resume

|                    |          |     |
|--------------------|----------|-----|
| Avg. Inj. Rate     | 5.7      | BPM |
| Avg. Trt. Press.   | 450      | psi |
| Hydraulic HP Used  |          |     |
| Total Fluid Pumped | 150 bbl. |     |
| Maximum Pressure   | 600      | psi |
| Minimum Pressure   | 350      | psi |
| I. S. I. P.        | 300      | psi |

Glen Rupe  
Owner's Representative

J. D. Strunk  
Station Manager

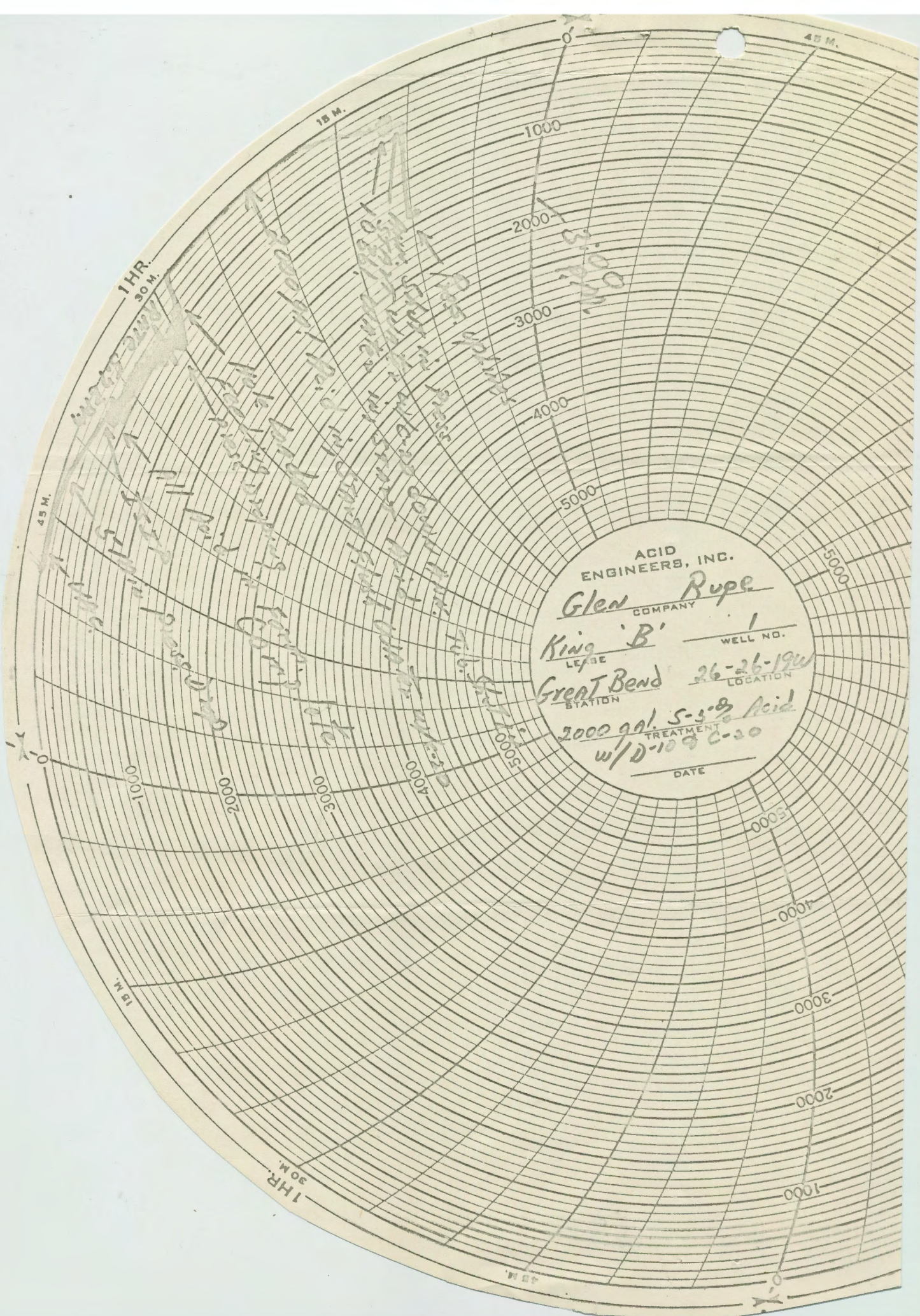
J. D. Strunk.  
Service Engineer



(Treatment Schedule)

| Time  | Pressure |      | Bbls. of Fluid |          | Inj. Rate | Remarks |
|-------|----------|------|----------------|----------|-----------|---------|
|       | Csg.     | Tbg. | Out of Tanks   | In Form. |           |         |
| 3:00  |          |      |                |          |           | 300     |
| 3:05  |          |      |                |          |           | 300     |
| 3:10  |          |      |                |          |           | 120 ppt |
| 3:15  |          |      |                |          |           |         |
| 3:20  |          |      |                |          |           |         |
| 3:25  |          |      |                |          |           |         |
| 3:30  |          |      |                |          |           |         |
| 3:35  |          |      |                |          |           |         |
| 3:40  |          |      |                |          |           |         |
| 3:45  |          |      |                |          |           |         |
| 3:50  |          |      |                |          |           |         |
| 3:55  |          |      |                |          |           |         |
| 4:00  |          |      |                |          |           |         |
| 4:05  |          |      |                |          |           |         |
| 4:10  |          |      |                |          |           |         |
| 4:15  |          |      |                |          |           |         |
| 4:20  |          |      |                |          |           |         |
| 4:25  |          |      |                |          |           |         |
| 4:30  |          |      |                |          |           |         |
| 4:35  |          |      |                |          |           |         |
| 4:40  |          |      |                |          |           |         |
| 4:45  |          |      |                |          |           |         |
| 4:50  |          |      |                |          |           |         |
| 4:55  |          |      |                |          |           |         |
| 5:00  |          |      |                |          |           |         |
| 5:05  |          |      |                |          |           |         |
| 5:10  |          |      |                |          |           |         |
| 5:15  |          |      |                |          |           |         |
| 5:20  |          |      |                |          |           |         |
| 5:25  |          |      |                |          |           |         |
| 5:30  |          |      |                |          |           |         |
| 5:35  |          |      |                |          |           |         |
| 5:40  |          |      |                |          |           |         |
| 5:45  |          |      |                |          |           |         |
| 5:50  |          |      |                |          |           |         |
| 5:55  |          |      |                |          |           |         |
| 6:00  |          |      |                |          |           |         |
| 6:05  |          |      |                |          |           |         |
| 6:10  |          |      |                |          |           |         |
| 6:15  |          |      |                |          |           |         |
| 6:20  |          |      |                |          |           |         |
| 6:25  |          |      |                |          |           |         |
| 6:30  |          |      |                |          |           |         |
| 6:35  |          |      |                |          |           |         |
| 6:40  |          |      |                |          |           |         |
| 6:45  |          |      |                |          |           |         |
| 6:50  |          |      |                |          |           |         |
| 6:55  |          |      |                |          |           |         |
| 7:00  |          |      |                |          |           |         |
| 7:05  |          |      |                |          |           |         |
| 7:10  |          |      |                |          |           |         |
| 7:15  |          |      |                |          |           |         |
| 7:20  |          |      |                |          |           |         |
| 7:25  |          |      |                |          |           |         |
| 7:30  |          |      |                |          |           |         |
| 7:35  |          |      |                |          |           |         |
| 7:40  |          |      |                |          |           |         |
| 7:45  |          |      |                |          |           |         |
| 7:50  |          |      |                |          |           |         |
| 7:55  |          |      |                |          |           |         |
| 8:00  |          |      |                |          |           |         |
| 8:05  |          |      |                |          |           |         |
| 8:10  |          |      |                |          |           |         |
| 8:15  |          |      |                |          |           |         |
| 8:20  |          |      |                |          |           |         |
| 8:25  |          |      |                |          |           |         |
| 8:30  |          |      |                |          |           |         |
| 8:35  |          |      |                |          |           |         |
| 8:40  |          |      |                |          |           |         |
| 8:45  |          |      |                |          |           |         |
| 8:50  |          |      |                |          |           |         |
| 8:55  |          |      |                |          |           |         |
| 9:00  |          |      |                |          |           |         |
| 9:05  |          |      |                |          |           |         |
| 9:10  |          |      |                |          |           |         |
| 9:15  |          |      |                |          |           |         |
| 9:20  |          |      |                |          |           |         |
| 9:25  |          |      |                |          |           |         |
| 9:30  |          |      |                |          |           |         |
| 9:35  |          |      |                |          |           |         |
| 9:40  |          |      |                |          |           |         |
| 9:45  |          |      |                |          |           |         |
| 9:50  |          |      |                |          |           |         |
| 9:55  |          |      |                |          |           |         |
| 10:00 |          |      |                |          |           |         |







# ACID ENGINEERS, Inc.

## TREATMENT REPORT

Invoice No. 14727 Station Great Bend, Kansas Date June 12, 19 68

Owner Glen Rupe Lease King B Well No. 1

Pool \_\_\_\_\_ County Edwards State Kansas

Loc. 26-26-19W Formation Mississippi

|                         |                          |                          |                |                            |             |
|-------------------------|--------------------------|--------------------------|----------------|----------------------------|-------------|
| <b>Pipe Data—</b>       |                          | <b>Perforating Data—</b> |                | <b>Production—</b>         |             |
| T.D. <u>4835</u>        | P.B. <u>4795</u>         | Shots/Ft. _____          |                | Oil _____                  | Water _____ |
| Csg. Size <u>5½" OD</u> | Wt. <u>14#</u>           | From <u>4743</u>         | To _____       | Present _____              |             |
| Csg. Depth <u>4834</u>  | Sks. Cement _____        | From <u>4745</u>         | To _____       | <b>Previous Treatments</b> |             |
| Tbg. Size <u>2" EUE</u> | Depth <u>4720</u>        | From <u>4751</u>         | To <u>4752</u> | <u>2,000 gal. acid.</u>    |             |
| Packer Type _____       | Annulus Vol. _____       | From <u>4760</u>         | To <u>4764</u> |                            |             |
| Csg. Vol. _____         | Tbg. Vol. <u>18 bbl.</u> | From _____               | To _____       |                            |             |

### Detailed Record of Treatment

#### Materials Used

| Quan.                    | Type | Quan. | Type |
|--------------------------|------|-------|------|
| 1,000 gal. Super Sol 15% | Acid |       |      |
| 500 gal./lb. DA-50       |      |       |      |
| 50 lbs. G-7 Gel Agent    |      |       |      |
| 75,000 SCF N2 Gas        |      |       |      |

#### Fluids Used

|                       |               |
|-----------------------|---------------|
| Acid                  | 24 bbl.       |
| Breakdown             | 30,000 SCFN2  |
| <del>Flux</del> DA-50 | 12 bbl.       |
| Flush                 | 11,000 SCF N2 |

| Time  | Pressure |      | Bbls. of Fluid |          | Inj. Rate | Remarks                                      |
|-------|----------|------|----------------|----------|-----------|----------------------------------------------|
|       | Csg.     | Tbg. | Out of Tanks   | In Form. |           |                                              |
| 9:21  | 1250     | 1450 |                |          |           | shut in pressure overnight                   |
| 9:23  | 1250     | 1350 |                |          |           | start N2 spearhead down tubing               |
| 9:37  | 1800     | 2000 |                |          |           | 30,000 SCF N2 in, start acid w/1,000 SCF/bbl |
| 9:41  | 1900     | 1900 | 6              |          | 1½        | 6 bbl. acid in, stop N2, start DA-50         |
| 9:43  | 1800     | 1500 |                |          |           | pressure dropping                            |
| 9:49  | 1750     | 750  | 18             |          | 1-3/4     | 500 gal. DA-50 in, start N2 pad              |
| 9:53  | 1850     | 1850 |                |          |           | 10,000 SCF N2 in, start acid w/N2            |
| 9:57  | 2600     | 2500 | 23             |          |           | pressure steady                              |
| 9:59  | 2500     | 2400 | 24             |          | 3/4       | pressure dropping, acid on bottom            |
| 10:07 | 2200     | 2100 | 30             |          | 3/4       | speed pump rate                              |
| 10:08 | 2100     | 2300 |                |          | 1½        | feeding steady                               |
| 10:11 |          | 2300 | 36             |          | 1½        | 18 bbl. acid in tbg., start N2 flush         |
| 10:20 | 2100     | 2200 |                |          |           | 11,000 SCF N2 in tubing                      |
| 10:25 | 2000     | 2000 |                |          |           | 5 minute pressure drop, close in complete.   |

Arrival Date 6-12-68 Time 8:00 Left Location: Date 6-12-68 Time 11:00 Round Trip Miles 130

(See Reverse Side for Additional Treatment Remarks)

#### Equipment Used

| Name   | Unit No. | Name | Unit No. |
|--------|----------|------|----------|
| King   | 141,216  |      |          |
| Strunk | 394      |      |          |
|        |          |      |          |
|        |          |      |          |
|        |          |      |          |

#### Treatment Resume

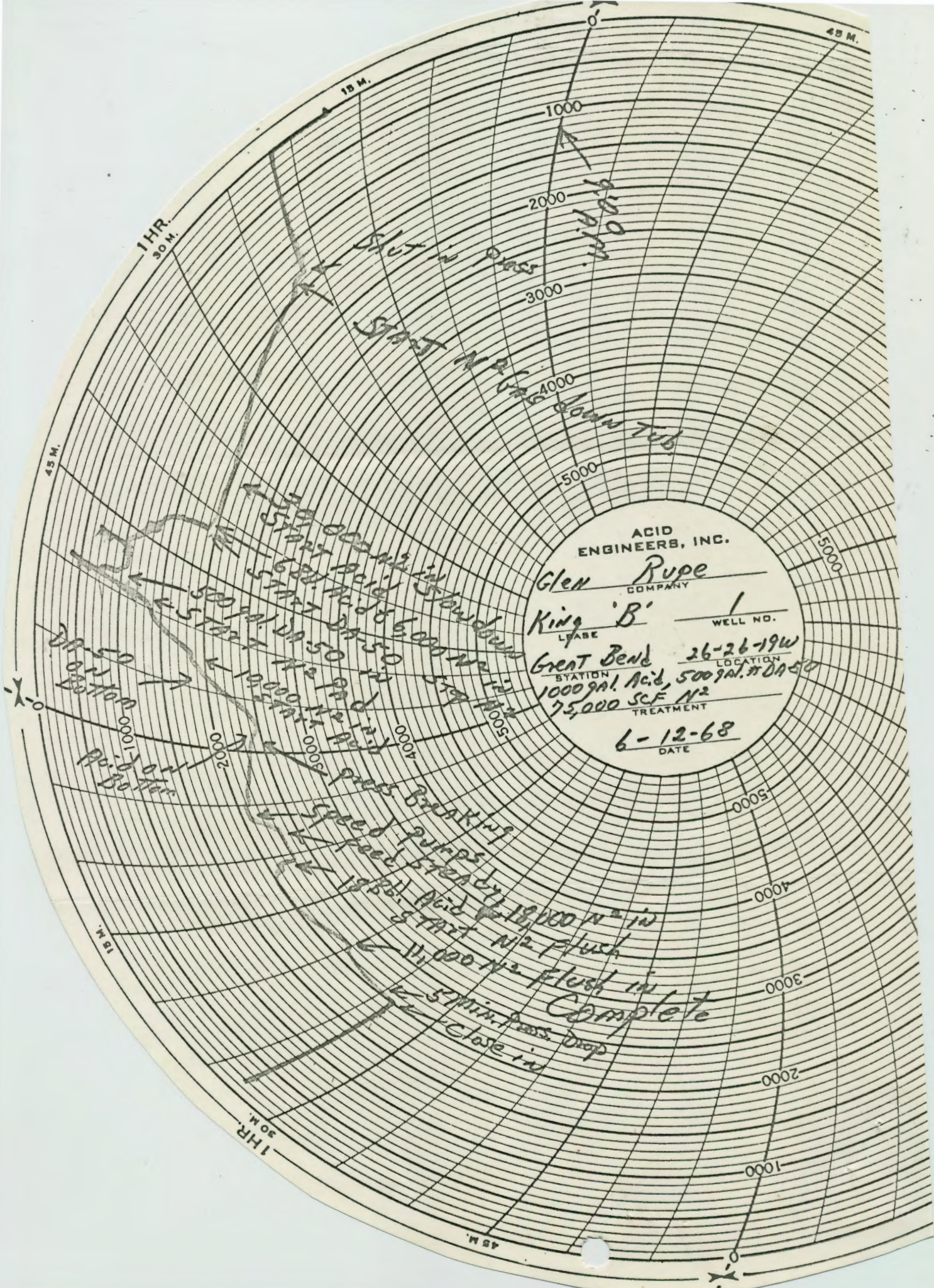
|                    |         |     |
|--------------------|---------|-----|
| Avg. Inj. Rate     | 1½      | BPM |
| Avg. Trt. Press.   | 2,000   | psi |
| Hydraulic HP Used  |         |     |
| Total Fluid Pumped | 36 bbl. |     |
| Maximum Pressure   | 2,500   | psi |
| Minimum Pressure   | 750     | psi |
| I. S. I. P.        | 2,100   | psi |

Glen Rupe  
Owner's Representative

J. D. Strunk  
Station Manager

J. D. Strunk  
Service Engineer





ACID  
ENGINEERS, INC.

Glen Rupe  
COMPANY

King 'B'

WELL NO. 1

LEASE

Great Bend

26-26-19W

STATION

LOCATION

1000 gal. Acid, 500 gal. N2

75,000 SCF N2

TREATMENT

6-12-68

DATE



# ACID ENGINEERS, Inc.

## TREATMENT REPORT

Invoice No. 14729 Station Great Bend, Kansas Date June 13, 1968

Owner Glen Rupe Lease King B Well No. 1

Pool \_\_\_\_\_ County Edwards State Kansas

Loc. 26-26-19W Formation Mississippi

| Pipe Data—              |                             | Perforating Data—         |                | Production—                          |       |
|-------------------------|-----------------------------|---------------------------|----------------|--------------------------------------|-------|
| T.D. <u>4835</u>        | P.B. <u>4795</u>            | Shots/Ft. <u>Sand Jet</u> |                | Oil                                  | Water |
| Csg. Size <u>5½" OD</u> | Wt. <u>14#</u>              | From <u>4743</u>          | To _____       | Present _____                        |       |
| Csg. Depth <u>4834</u>  | Sks. Cement _____           | From <u>4745</u>          | To _____       | <b>Previous Treatments</b>           |       |
| Tbg. Size <u>2" EUE</u> | Depth <u>4720</u>           | From <u>4751</u>          | To <u>4752</u> | <u>500 gal. acid</u>                 |       |
| Packer Type _____       | Annulus Vol. <u>90 bbl.</u> | From <u>4760</u>          | To <u>4764</u> | <u>2,000 gal. acid</u>               |       |
| Csg. Vol. _____         | Tbg. Vol. <u>18 bbl.</u>    | From _____                | To _____       | <u>1,000 gal. acid &amp; N2 Gas.</u> |       |

### Detailed Record of Treatment

| Materials Used |                   | Fluids Used |                    |
|----------------|-------------------|-------------|--------------------|
| Quan.          | Type              | Quan.       | Type               |
| 15,000 lbs.    | R-20/40 Frac Sand |             |                    |
| 400 lbs.       | Adomite Aqua      | 1,000 lbs.  | Potassium Chloride |
| 200 lbs.       | G-7 Gel Agent     |             |                    |
| 1,000 lb.      | RS-1 Rock Salt    | 20 gallon   | D-10               |

|           |          |
|-----------|----------|
| Acid      |          |
| Breakdown | 50 bbl.  |
| Frac      | 450 bbl. |
| Flush     | 120 bbl. |

| Time  | Csg. Pressure | Tbg. | Bbls. of Fluid |          | Inj. Rate | Remarks                                                    |
|-------|---------------|------|----------------|----------|-----------|------------------------------------------------------------|
|       |               |      | Out of Tanks   | In Form. |           |                                                            |
|       |               |      |                |          |           | pre-mix aqua, G-7, Potassium Chloride & D-10 in frac water |
| 11:19 | 500           | 0    |                |          |           | close tubing in, start gel water pad down annular          |
| 11:21 | 250           | 500  | 50             |          |           | start sand 1/2#/gallon                                     |
| 11:25 | 1250          | 1500 | 90             |          |           | hole loaded, speed pumps, increase sand                    |
| 11:26 | 1450          | 1600 | 125            | 35       | 35        | feeding                                                    |
| 11:27 | 1300          | 1500 | 165            | 75       | 40        | pressure dropping                                          |
| 11:28 | 1200          | 1450 | 205            | 115      | 40        | stop 1 pump truck to fix leak                              |
| 11:29 | 900           | 1400 | 230            | 140      | 25        | 7,500# sand in, stop sand, start RS-1, start 2nd truck     |
| 11:30 | 1000          | 1400 | 265            | 175      | 35        | 1,000# RS-1 in ann.                                        |
| 11:31 | 1000          | 1400 | 305            | 215      | 40        | start sand                                                 |
| 11:32 | 1250          | 1400 | 345            | 255      | 40        | RS-1 on bottom                                             |

Arrival Date 6-13-68 Time 5:00PM Left Location: Date 6-13-68 Time 1:00AM Round Trip Miles 130

(See Reverse Side for Additional Treatment Remarks)

(OVER)

| Equipment Used     |              | Treatment Resume |          |
|--------------------|--------------|------------------|----------|
| Name               | Unit No.     | Name             | Unit No. |
| J.W. Twin Wheatley | 300          |                  |          |
| Earl & Tom Blender | 320          |                  |          |
| Wente              | 146-228      |                  |          |
| Voth               | 125          |                  |          |
| King               | 140, 134-218 |                  |          |
| Strunk             | 394          |                  |          |

|                    |          |     |
|--------------------|----------|-----|
| Avg. Inj. Rate     | 35       | BPM |
| Avg. Inj. Press.   | 1,100    | psi |
| Hydraulic HP Used  | 944      |     |
| Total Fluid Pumped | 620 bbl. |     |
| Maximum Pressure   | 1,450    | psi |
| Minimum Pressure   | 900      | psi |
| I. S. I. P.        | 300      | psi |

Glen Rupe Owner's Representative J. D. Strunk Station Manager J. D. Strunk Service Engineer



(Treatment Schedule)

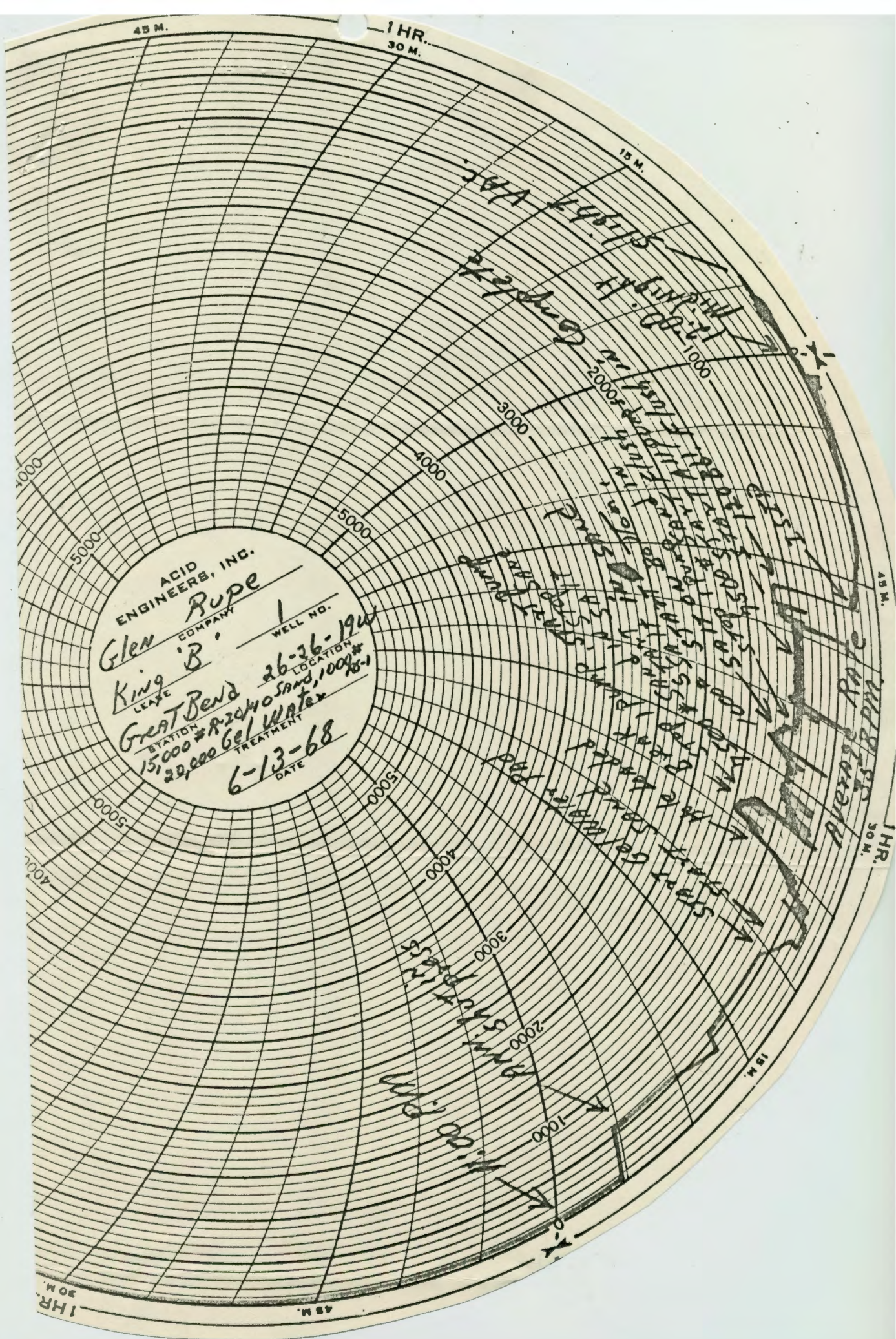
| Time  | Pressure |      | Bbls. of Fluid |          | Inj. Rate | Remarks                                      |
|-------|----------|------|----------------|----------|-----------|----------------------------------------------|
|       | Csg.     | Tbg. | Out of Tanks   | In Form. |           |                                              |
| 11:34 | 1100     | 1350 | 405            | 335      | 40        | stop 1 pump                                  |
| 11:37 | 1000     | 1350 | 500            | 410      | 25        | 7,500# sand in, start flush, start 2nd truck |
| 11:41 | 1200     | 1350 | 620            | 530      | 30        | 120 bbl. water flush in, complete            |
|       | 300      | 1250 |                |          |           | immediate pressure drop 32                   |
|       | 150      | 1250 |                |          |           | 5 minute pressure drop                       |
|       | 75       | 1250 |                |          |           | 10 minute pressure drop                      |
|       | 25       | 1250 |                |          |           | 15 minute pressure drop                      |
|       | vac      | 1250 |                |          |           | 25 minute pressure drop.                     |
| 11:33 | 1320     | 1400 | 342            | 322      | 40        | 32-1 on bottom                               |
| 11:31 | 1000     | 1400 | 302            | 312      | 40        | start sand                                   |
| 11:30 | 1000     | 1400 | 322            | 332      | 32        | 1,000# 32-1 to ann.                          |
|       |          |      |                |          |           | start 3rd truck                              |
| 11:33 | 800      | 1400 | 330            | 340      | 32        | 1,200# sand to' stop sand' start 32-1        |
| 11:38 | 1300     | 1420 | 302            | 312      | 40        | stop 1 pump truck to fix leak                |
| 11:31 | 1300     | 1200 | 192            | 32       | 40        | pressure dropped                             |
| 11:39 | 1420     | 1600 | 132            | 32       | 32        | feeding                                      |
| 11:32 | 1320     | 1200 | 80             |          |           | note loss of' speed' increase sand           |
| 11:31 | 320      | 200  | 20             |          |           | start sand 1/2# gallon                       |
|       |          |      |                |          |           | supply                                       |
| 11:12 | 200      | 0    |                |          |           | close clamp to' start get water bed down     |
|       |          |      |                |          |           | D-10 in frac water                           |
|       |          |      |                |          |           | ble-wix adns' C-1' potassium chloride &      |

|                               |                    |             |          |
|-------------------------------|--------------------|-------------|----------|
| 1'000 lbs. E-1 Rock 2914      | 50 gallon D-10     | Linear      | 150 ppt. |
| 300 lbs. G-1 Gel 4481         | Cytokine           | Flac        | 420 ppt. |
| 400 lbs. ydomite ydls         | 1'000 lbs. POCSSIM | Breakdown   | 20 ppt.  |
| 12'000 lbs. E-30/40 Flac 2914 |                    | Acid        |          |
| Quart                         | Label              | Quart       | Label    |
| Materials Used                |                    | Fluids Used |          |

Гос: зе-зе-там

ACID ENGINEERS' INC.







# ACID ENGINEERS, Inc.

## TREATMENT REPORT

Great Bend, Kansas

Invoice No. 15739 Station Great Bend, Kansas Date June 16, 1969

Owner Glen Rupe Lease King B Well No. 1

Pool \_\_\_\_\_ County Edwards State Kansas

Loc. 26-26-19W Formation Mississippi

| Pipe Data—              |                             | Perforating Data— |                | Production—                |             |
|-------------------------|-----------------------------|-------------------|----------------|----------------------------|-------------|
| T.D. <u>4836</u>        | P.B. <u>4789</u>            | Shots/Ft. _____   |                | Oil _____                  | Water _____ |
| Csg. Size <u>5½"</u>    | Wt. <u>14#</u>              | From <u>4742</u>  | To <u>4246</u> | Present _____              |             |
| Csg. Depth <u>4835</u>  | Sks. Cement _____           | From <u>4758</u>  | To <u>4762</u> | <b>Previous Treatments</b> |             |
| Tbg. Size <u>2" EUE</u> | Depth <u>4735</u>           | From _____        | To _____       | <u>250 gal. acid.</u>      |             |
| Packer Type _____       | Annulus Vol. <u>89 bbl.</u> | From _____        | To _____       |                            |             |
| Csg. Vol. _____         | Tbg. Vol. <u>19 bbl.</u>    | From _____        | To _____       |                            |             |

### Detailed Record of Treatment

#### Materials Used

| Quan.      | Type           | Quan. | Type |
|------------|----------------|-------|------|
| 5,000 lbs. | R-20/40 Sand   |       |      |
| 500 lbs.   | RS-1 Rock Salt |       |      |
| 240 lbs.   | G-7 Gel Agent  |       |      |

#### Fluids Used:

|           |          |
|-----------|----------|
| Acid      |          |
| Breakdown | 50 bbl.  |
| Frac      | 160 bbl. |
| Flush     | 110 bbl. |

| Time  | Pressure Csg. | Pressure Tbg. | Bbls. of Fluid Out of Tanks | In Form. | Inj. Rate | Remarks                                        |
|-------|---------------|---------------|-----------------------------|----------|-----------|------------------------------------------------|
| 9:53  |               |               |                             |          |           | pressure test lines to 3000#, close in tubing  |
| 9:56  |               |               | 50                          | 16       |           | start gel water down annulus                   |
| 9:58  | 1100          |               | 80                          | 15       |           | 50 bbl. water in, start 20/40 sand 1#/gal.     |
| 10:00 | 1250          |               | 110                         | 30       | 25        | hole loaded & feeding, speed pumps             |
|       |               |               |                             |          |           | pressure start dropping, stop sand             |
|       |               |               |                             |          |           | slow down, start RS-1                          |
| 10:01 | 800           |               | 120                         | 40       | 10        |                                                |
| 10:02 | 1100          |               | 150                         | 70       | 30        | 500# RS-1 in, start water pad, speed pumps     |
|       | 1000          |               | 200                         | 120      |           | 30 bbl. pad in, start sand                     |
| 10:04 | 1500          |               | 210                         | 130      | 28        | RS-1 on bottom, pressure climb                 |
| 10:08 | 1150          |               | 320                         | 240      | 27        | pressure start break, 2500# sand in, stop sand |
|       | 350           |               |                             |          |           | 110 bbl. water flush in                        |
| 10:09 | 250           |               |                             |          |           | immediate pressure drop complete               |
| 10:13 | 100           |               |                             |          |           | 1 minute pressure drop                         |
|       |               |               |                             |          |           | 5 minute pressure drop, on slight vac 12 mins  |

Arrival Date 6-16-69 Time 7:30 Left Location: Date 6-16-69 Time 11:30AM Round Trip Miles 120

(See Reverse Side for Additional Treatment Remarks)

### Equipment Used

| Name | Unit No. | Name | Unit No. |
|------|----------|------|----------|
| Gray | 148      |      |          |
| Bob  | 146-228  |      |          |
| Jim  | 128,211  |      |          |
| Tom  | 125      |      |          |
| Jim  | 399      |      |          |

### Treatment Resume

|                    |          |     |
|--------------------|----------|-----|
| Avg. Inj. Rate     | 27       | BPM |
| Avg. Trt. Press.   | 1,150    | psi |
| Hydraulic HP Used  | 761      |     |
| Total Fluid Pumped | 320 bbl. |     |
| Maximum Pressure   | 1,500    | psi |
| Minimum Pressure   | 1,000    | psi |
| I. S. I. P.        | 350      | psi |

Ben Kelley

J. D. Strunk

J. D. Strunk.

Owner's Representative

Station Manager

Service Engineer



9:00 AM

PRESSURE P.S.I.

Test Lines

Close in T.L.

START Get WATER down Pump  
50 RS! water in, Start Sand  
Hole loaded  
Speed pumps

2500 Sand in, Stop Sand  
Slow down Start RS-1  
Start Sand in Speed pumps  
RS-1 on Bottom  
Breaking Start Flush  
110 RS! Water Complete

5 RS! VAC.  
5 RS! VAC.

10:00 AM

Glen Rupe  
King 'B' COMPANY

Great Bend  
STATION

TY-0-5000

5000 #3040 Sand

240 #6-11-320 RS-1

6-16-69

DATE

P 0-5000

WELL NO.

26-26-194

LOCATION

4HR-SPECIAL

500 RS-1

6-16-69

DATE

P 0-5000

PRESSURE P.S.I.



LARNED, KANSAS

DATE 11 July 1969

PAWNEE PRINT LARNED

By

Co.

(Foreman)

(Title)